PL-2305 USB-to-Printer Bridge Controller (Chip Revision I)

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Compatibility Test Report

Version 1.1
April 21, 2011

Prolific Technology Inc.

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1. Document Revision History

Version	Change Information	Date
1.1	➢ Added Windows 7 Logo Program Certification	April 21, 2011
1.0	➢ PL-2305 (Chip Rev I) Formal Release Test Report	April 18, 2011

2. Product Overview

The PL-2305 integrated circuit provides a bi-directional bridge between the Universal Serial Bus (USB) system and IEEE-1284 parallel port printers. It is designed to be a flexible, high performance, and low-cost single-chip solution for USB cable as well as USB ready peripheral manufacturers.

Note: For Windows 2000 and above OS versions, Microsoft follows IEEE 1284 Specification to support standard driver bundled in Windows. When you plug in the USB-to-Printer cable, Windows OS will automatically detect the cable device and will install the needed driver. The USB-to-Printer cable will appear as “USB Printing Support”. For attaching different kinds of printers, you may need to install the printer driver separately or run the update driver for the printer device.

3. Overall Results and Problem Summary

No.	Test Category	Test Results
1	USB-IF Compliance Logo Test	**PASS**
2	Windows WHQL Printing Logo Test	**PASS**
3	PC Systems/OS/Printer Compatibility Test	**PASS**
4	Mac Host and OS Compatibility Test	**PASS**
5	EEPROM Writer Program Test	**PASS**
	Overall Test Result:	**PASS**

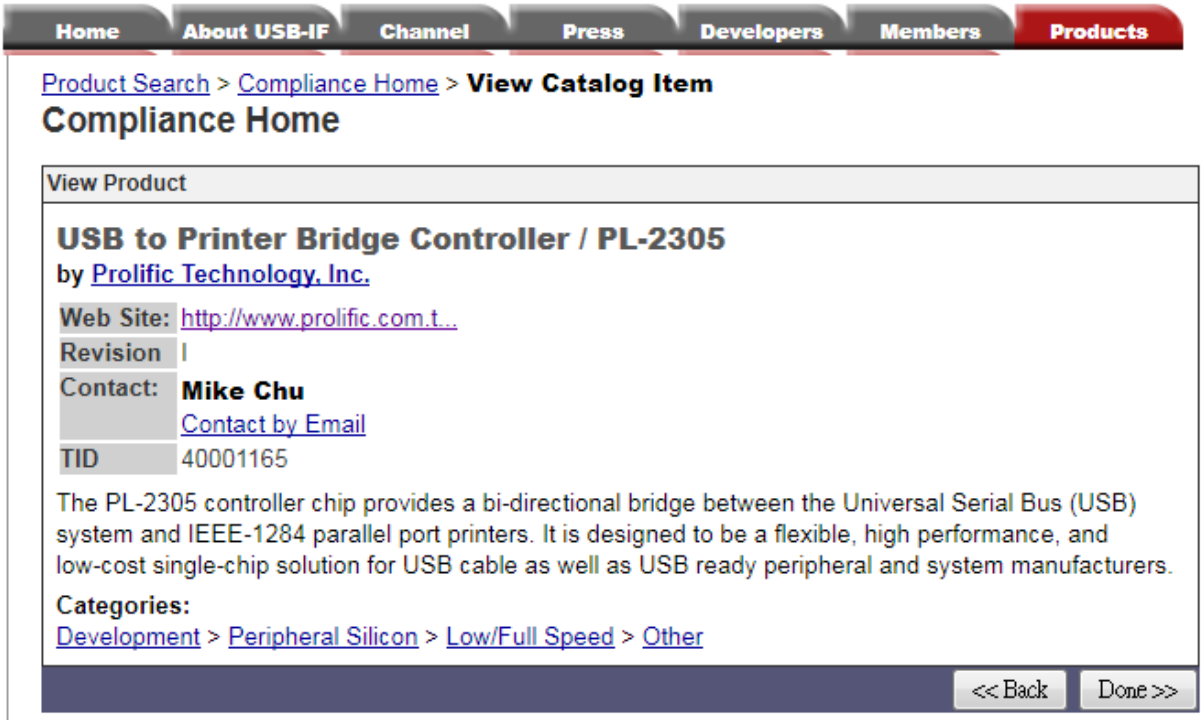
4. USB-IF Compliance Logo Test

The Universal Serial Bus (USB) specification defines the product design targets at the level of interfaces and mechanisms. To complement the specification and enable measurement of compliance in real products, the USB-IF has instituted a **Compliance Program** that provides reasonable measures of acceptability. Products that pass this level of acceptability are added to the Integrators List and have the right to license the USB-IF Logo.

4.1 USB-IF Compliance Logo Listing

The PL-2305 (Chip Rev I) was tested by SGS Lab (NTS) and passed USB-IF Full Speed Logo Compliance Test (Electrical, Interoperability, Functional) and is already listed on the USB-IF Product Compliance website with Silicon TID # 40001165:

http://www.usb.org/kcompliance/view/view_item?item_key=f58377c2dbe9c5e6789321dbb9bc4ca48dc31f21&referring_url=/kcompliance


Home
About USB-IF
Channel
Press
Developers
Members
Products
Product Search > Compliance Home > View Catalog Item
Compliance Home
View Product
USB to Printer Bridge Controller / PL-2305
by Prolific Technology, Inc.
Web Site: http://www.prolific.com.t...
Revision I
Contact: Mike Chu
Contact by Email
TID 40001165
The PL-2305 controller chip provides a bi-directional bridge between the Universal Serial Bus (USB) system and IEEE-1284 parallel port printers. It is designed to be a flexible, high performance, and low-cost single-chip solution for USB cable as well as USB ready peripheral and system manufacturers.
Categories:
Development > Peripheral Silicon > Low/Full Speed > Other
<< Back
Done >>

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4.2 USB20CV (EHCI - Chapter 9)

Test Environment	
System	IBM ThinkCentre A50
CPU / RAM	Intel Pentium 4 2.8GHz / 1GB RAM
Chipset / USB Host	Intel 865G ICH5
Operation System	Windows XP SP3
Test Program	USB20CV 1.4.4.1 (Chapter 9)
DUT Bridge	PL-2305 (Chip Rev I) + 3-meter USB extension cable
DUT Printer	HP LaserJet 6L

4.2.1 No EEPROM (Remote Wakeup Disabled)

InitializeTestSuite	
Device Descriptor Test - Configured State	PASS
Device Descriptor Test - Addressed State	PASS
BOS Descriptor Test - Addressed state	PASS
Config Descriptor Test - Configured State	PASS
Config Descriptor Test - Addressed State	PASS
Interface Descriptor Test	PASS
Endpoint Descriptor Test - Configured State	PASS
Endpoint Descriptor Test - Addressed State	PASS
Halt Endpoint Test	PASS
Set Configuration Test	PASS
Suspend/Resume Test	PASS
Remote Wakeup Test – Enabled (Device does not support Remote Wakeup)	PASS
Remote Wakeup Test – Disabled	PASS
Enumeration Test (150 iterations)	PASS

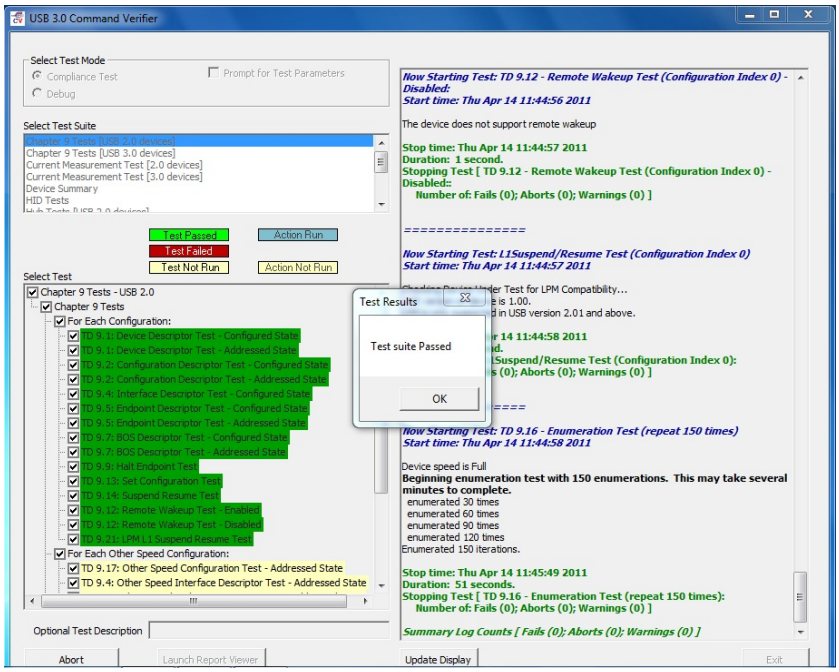
4.2.2 With External EEPROM (and Remote Wakeup Enabled)

InitializeTestSuite	
Device Descriptor Test - Configured State	PASS
Device Descriptor Test - Addressed State	PASS
BOS Descriptor Test - Addressed state	PASS
Config Descriptor Test - Configured State	PASS
Config Descriptor Test - Addressed State	PASS
Interface Descriptor Test	PASS
Endpoint Descriptor Test - Configured State	PASS
Endpoint Descriptor Test - Addressed State	PASS
Halt Endpoint Test	PASS
Set Configuration Test	PASS
Suspend/Resume Test	PASS
Suspend/Resume Test	PASS
Remote Wakeup Test – Enabled (Device Supports Remote Wakeup)	PASS
Remote Wakeup Test – Disabled	PASS
Enumeration Test (150 iterations)	PASS

4.3 USB30CV (xHCI - Chapter 9)

Test Environment	
System	DELL Dimension E520 Desktop
CPU / RAM	Intel Core2 Duo E6300 @1.86G / 1GB RAM
Chipset / USB Host	Intel ICH8 + Renesas USB 3.0 PCIe Host Card
Operation System	Windows 7 RTM x86 Ultimate
Test Program	USB30CV 0.9.10.2 (Chapter 9)
DUT Bridge	PL-2305 (Chip Rev) I + 3-meter USB extension cable
DUT Printer	HP LaserJet 6L

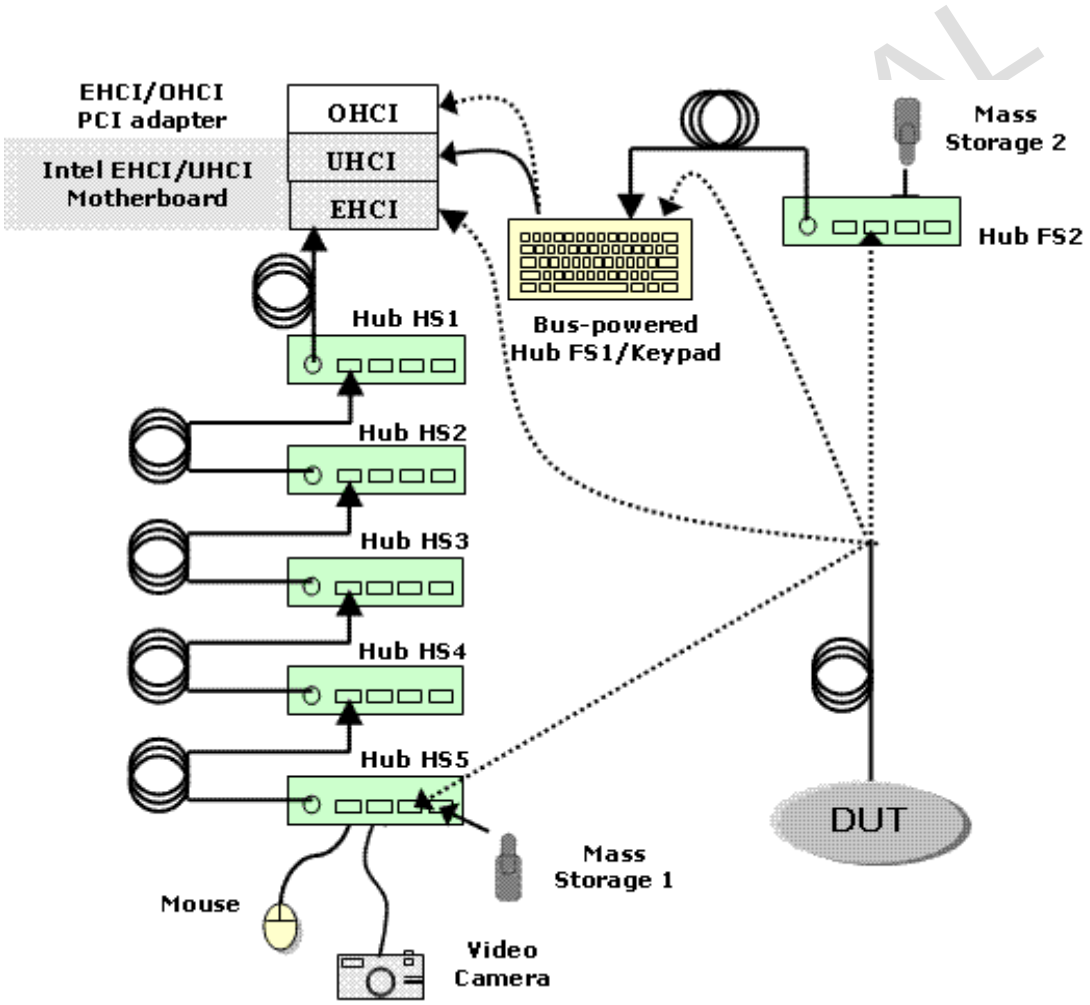
InitializeTestSuite	
TD9.1: Device Descriptor Test - Configured State	PASS
TD9.1: Device Descriptor Test - Addressed State	PASS
TD9.2: Config Descriptor Test - Configured State	PASS
TD9.2: Config Descriptor Test - Addressed State	PASS
TD9.4: Interface Descriptor Test – Configured State	PASS
TD9.5: Endpoint Descriptor Test - Configured State	PASS
TD9.5: Endpoint Descriptor Test - Addressed State	PASS
TD9.7: BOS Descriptor Test – Configured State	PASS
TD9.7: BOS Descriptor Test – Addressed State	PASS
TD9.9: Halt Endpoint Test	PASS
TD9.13: Set Configuration Test	PASS
TD9.14: Suspend/Resume Test	PASS
TD9.12: Remote Wakeup Test – Enabled (Remote Wakeup Disabled)	PASS
TD9.12: Remote Wakeup Test – Disabled	PASS
TD9.21: LPM L1 Suspend Resume Test (LPM supported in USB2.0 above only)	PASS
TD9.16: Enumeration Test (150 iterations)	PASS


USB 3.0 Command Verifier
Select Test Mode
Compliance Test
Debug
Prompt for Test Parameters
Select Test Suite
Chapter 9 Tests [USB 2.0 devices]
Chapter 9 Tests [USB 3.0 devices]
Current Measurement Test [2.0 devices]
Current Measurement Test [3.0 devices]
Device Summary
HID Tests
Test Passed
Test Failed
Test Not Run
Action Run
Action Not Run
Select Test
Chapter 9 Tests - USB 2.0
Chapter 9 Tests
For Each Configuration:
TD 9.1: Device Descriptor Test - Configured State
TD 9.1: Device Descriptor Test - Addressed State
TD 9.2: Configuration Descriptor Test - Configured State
TD 9.2: Configuration Descriptor Test - Addressed State
TD 9.4: Interface Descriptor Test - Configured State
TD 9.5: Endpoint Descriptor Test - Configured State
TD 9.5: Endpoint Descriptor Test - Addressed State
TD 9.7: BOS Descriptor Test - Configured State
TD 9.7: BOS Descriptor Test - Addressed State
TD 9.9: Halt Endpoint Test
TD 9.13: Set Configuration Test
TD 9.14: Suspend Resume Test
TD 9.12: Remote Wakeup Test - Enabled
TD 9.12: Remote Wakeup Test - Disabled
TD 9.21: LPM L1 Suspend Resume Test
For Each Other Speed Configuration:
TD 9.17: Other Speed Configuration Test - Addressed State
TD 9.4: Other Speed Interface Descriptor Test - Addressed State
Optional Test Description
Abort
Launch Report Viewer
Update Display
Exit
Test Results
Test suite Passed
OK
Now Starting Test: TD 9.12 - Remote Wakeup Test (Configuration Index 0) - Disabled:
Start time: Thu Apr 14 11:44:56 2011
The device does not support remote wakeup
Stop time: Thu Apr 14 11:44:57 2011
Duration: 1 second.
Stopping Test [TD 9.12 - Remote Wakeup Test (Configuration Index 0) - Disabled::
Number of: Fails (0); Aborts (0); Warnings (0)]
Now Starting Test: L1Suspend/Resume Test (Configuration Index 0)
Start time: Thu Apr 14 11:44:57 2011
Now Starting Test: TD 9.16 - Enumeration Test (repeat 150 times)
Start time: Thu Apr 14 11:44:58 2011
Device speed is Full
Beginning enumeration test with 150 enumerations. This may take several minutes to complete.
enumerated 30 times
enumerated 60 times
enumerated 90 times
enumerated 120 times
Enumerated 150 iterations.
Stop time: Thu Apr 14 11:45:49 2011
Duration: 51 seconds.
Stopping Test [TD 9.16 - Enumeration Test (repeat 150 times):
Number of: Fails (0); Aborts (0); Warnings (0)]
Summary Log Counts [Fails (0); Aborts (0); Warnings (0)]

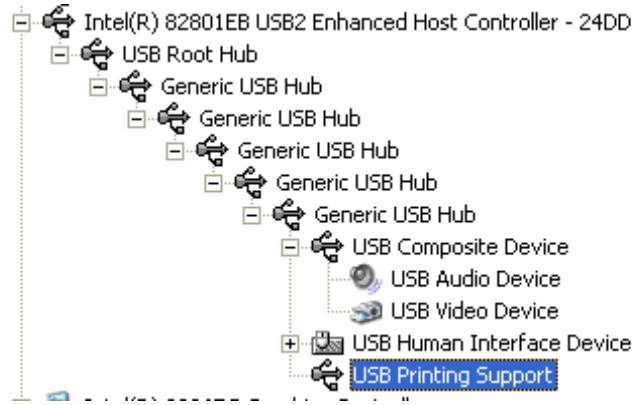
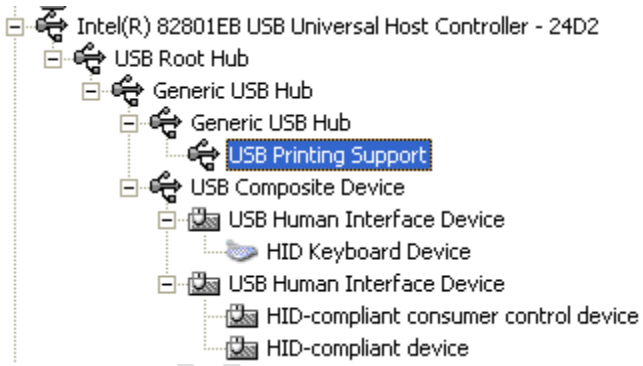
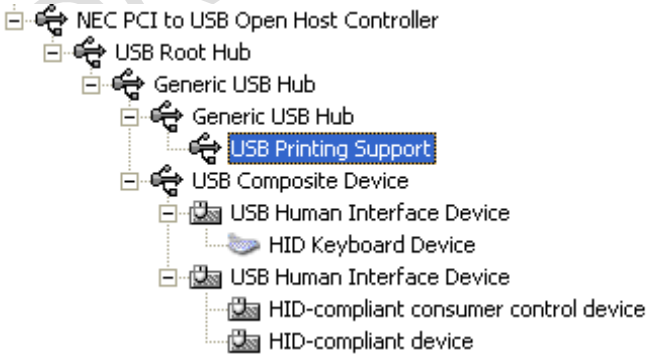
4.4 USB 2.0 Interoperability Test (5-Tier Hubs Gold Tree)

Test Environment	
System	IBM ThinkCentre A50
CPU / RAM	Intel Pentium 4 2.8GHz / 1GB RAM
Chipset / USB Host	Intel 865G ICH5
Operation System	Windows XP SP3
DUT Bridge	PL-2305 (Chip Rev I) + 3-meter USB extension cable
DUT Printer	HP LaserJet 6L

USB 2.0 Interoperability Topology (EHCI/OHCI/UHCI)



Device Manager (View by Connection Topology)

EHCI	
UHCI	
OHCI	

Test Items	EHCI	UHCI	OHCI
Enumerate and Print Test Page	PASS	PASS	PASS
Hotplug 20X	PASS	PASS	PASS
Change Topology (Plug to other Root Port and Hub Ports)	PASS	PASS	PASS
Cold Boot 5X	PASS	PASS	PASS
Warm Boot 5X	PASS	PASS	PASS
Suspend S1 5X	PASS	PASS	PASS
Suspend S3 5X	PASS	PASS	PASS
Hibernate S4 5X	PASS	PASS	PASS
Interoperate with other USB devices	PASS	PASS	PASS

5. Microsoft Windows Logo Compliance Test

The Windows Logo Program is designed to address the current and future market needs of customers using the Windows platform. The Windows logo signifies the compatibility and reliability of systems and devices with the Windows operating system. It gives customers confidence that the product is thoroughly tested with Microsoft-provided tools and ensures a good user experience.

5.1 Printing Category (USB Printer Cable + HP LaserJet 6L)

Test Environment	
System / Chipset	DELL Dimension E520 Desktop (Intel ICH8)
CPU / RAM	Intel Core2 Duo E6300 @1.86G / 1GB RAM
Operation System	Windows 7 x86 Ultimate SP1 / Windows 7 x64 Ultimate SP1
WHQL Test Program	WLK 1.6 (1.6.8367.000)
WHQL Test Category	**Device Logo (Imaging > Consumer Printing)**
DUT Bridge	PL-2305 (Chip Rev I)
DUT Printer	HP LaserJet 6L
Driver	Microsoft Inbox Driver (USB Printing Class Driver)
Overall Test Results	**PASS**

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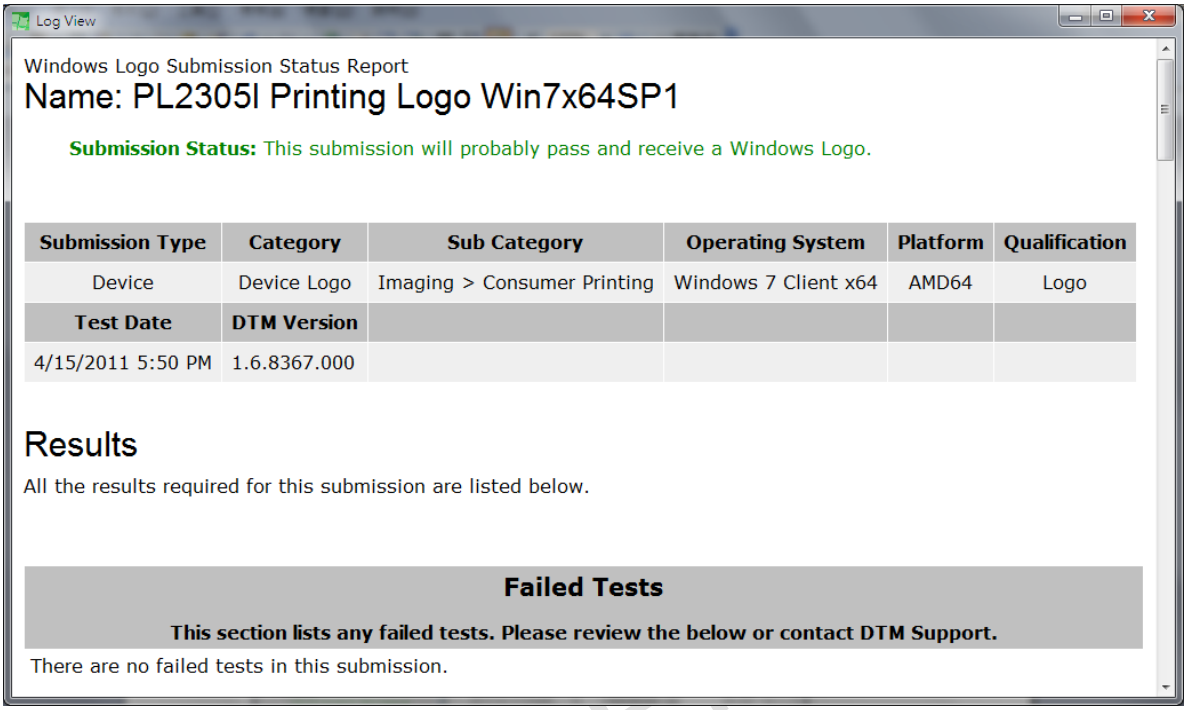
Windows Logo Verification Report: Approved

Submission ID:	1449852
Submission Date:	4/20/2011
Logo Completion Date:	4/20/2011
Company:	Prolific Technology Inc.
Product Name:	PL-2305 USB to Printer Bridge Controller
Category:	Device
Subcategory:	Imaging > Consumer Printing
Qualification Level:	Logo - Device - Compatible with Windows 7 Logo - Device - Compatible with Windows 7 x64



Log View

Windows Logo Submission Status Report

Name: PL2305I Printing Logo Win7x64SP1

Submission Status: This submission will probably pass and receive a Windows Logo.

Submission Type	Category	Sub Category	Operating System	Platform	Qualification
Device	Device Logo	Imaging > Consumer Printing	Windows 7 Client x64	AMD64	Logo
Test Date	**DTM Version**				
4/15/2011 5:50 PM	1.6.8367.000				

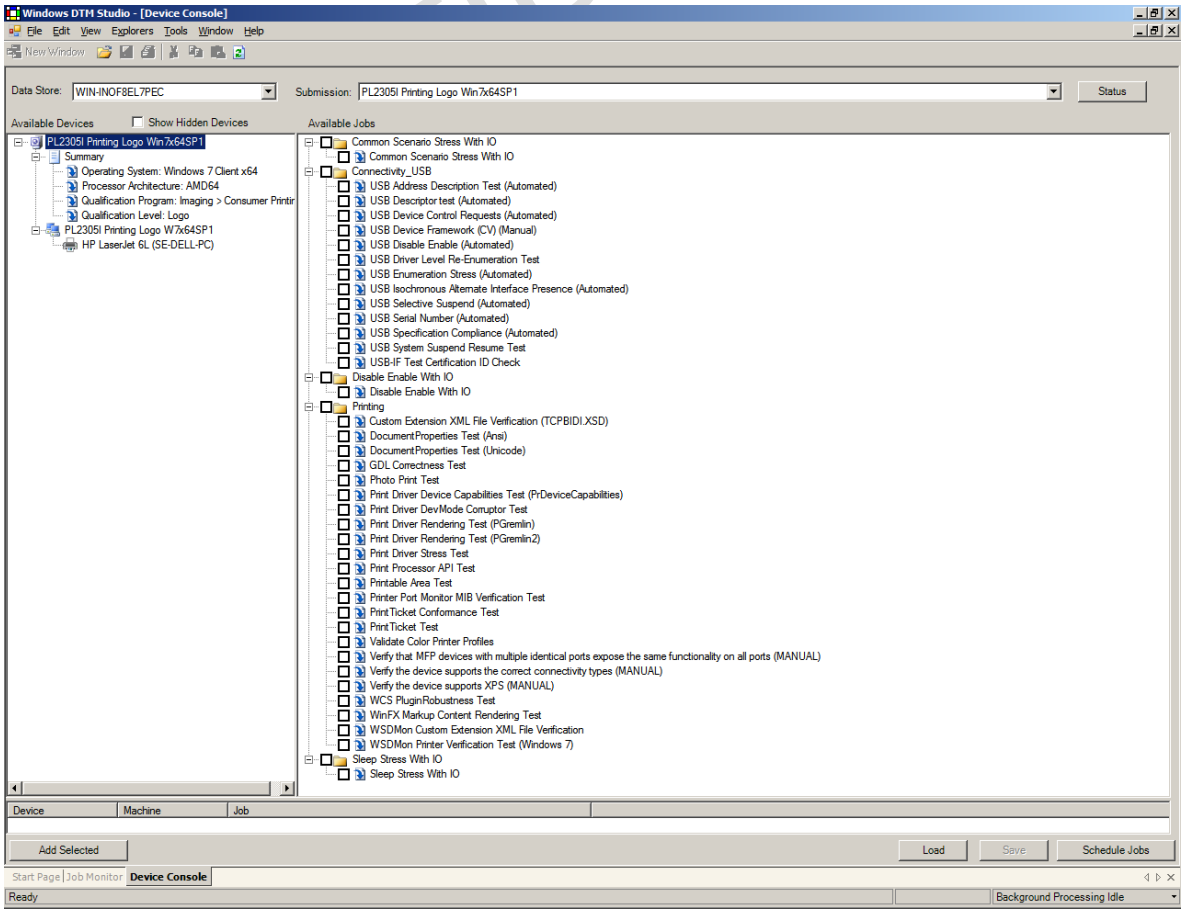
Results

All the results required for this submission are listed below.

Failed Tests

This section lists any failed tests. Please review the below or contact DTM Support.

There are no failed tests in this submission.



Windows DTM Studio - [Device Console]

File Edit View Explorers Tools Window Help

New Window

Data Store: WIN-INOF8EL7PEC Submission: PL2305I Printing Logo Win7x64SP1 Status

Available Devices Show Hidden Devices

Available Jobs

PL2305I Printing Logo Win7x64SP1
Summary
Operating System: Windows 7 Client x64
Processor Architecture: AMD64
Qualification Program: Imaging > Consumer Printir
Qualification Level: Logo
PL2305I Printing Logo W7x64SP1
HP LaserJet 6L (SE-DELL-PC)

Common Scenario Stress With IO
Common Scenario Stress With IO
Connectivity_USB
USB Address Description Test (Automated)
USB Descriptor test (Automated)
USB Device Control Requests (Automated)
USB Device Framework (CV) (Manual)
USB Disable Enable (Automated)
USB Driver Level Re-Enumeration Test
USB Enumeration Stress (Automated)
USB Isochronous Alternate Interface Presence (Automated)
USB Selective Suspend (Automated)
USB Serial Number (Automated)
USB Specification Compliance (Automated)
USB System Suspend Resume Test
USB-IF Test Certification ID Check
Disable Enable With IO
Disable Enable With IO
Printing
Custom Extension XML File Verification (TCPBIDI.XSD)
DocumentProperties Test (Ansi)
DocumentProperties Test (Unicode)
GDL Correctness Test
Photo Print Test
Print Driver Device Capabilities Test (PrDeviceCapabilities)
Print Driver DevMode Corruptor Test
Print Driver Rendering Test (PGremlin)
Print Driver Rendering Test (PGremlin2)
Print Driver Stress Test
Print Processor API Test
Printable Area Test
Printer Port Monitor MIB Verification Test
PrintTicket Conformance Test
PrintTicket Test
Validate Color Printer Profiles
Verify that MFP devices with multiple identical ports expose the same functionality on all ports (MANUAL)
Verify the device supports the correct connectivity types (MANUAL)
Verify the device supports XPS (MANUAL)
WCS PluginRobustness Test
WinFX Markup Content Rendering Test
WSDMon Custom Extension XML File Verification
WSDMon Printer Verification Test (Windows 7)
Sleep Stress With IO
Sleep Stress With IO

Device Machine Job

Add Selected Load Save Schedule Jobs

Start Page Job Monitor Device Console

Ready Background Processing Idle

Test Category	Test Name	Win7x86	Win7x64
USB Connectivity	USB Address Description Test (Automated)	**PASS**	**PASS**
	USB Descriptor Test (Automated)	**PASS**	**PASS**
	USB Device Control Requests (Automated)	**PASS**	**PASS**
	USB Device Framework (CV) (Manual)	**PASS**	**PASS**
	USB Disable Enable (Automated)	**PASS**	**PASS**
	USB Driver Level Re-Enumeration Test	**PASS**	**PASS**
	USB Enumeration Stress (Automated)	**PASS**	**PASS**
	USB Isochronous Alternate Interface Presence	**PASS**	**PASS**
	USB Selective Suspend (Automated)	**PASS**	**PASS**
	USB Serial Number (Automated)	**PASS**	**PASS**
	USB Specification Compliance (Automated)	**PASS**	**PASS**
	USB System Suspend Resume Test	**PASS**	**PASS**
	USB-IF Test Certification ID Check	**PASS**	**PASS**
Printing	Custom Extension XML File Verification	**PASS**	**PASS**
	DocumentProperties Test (Ansi)	**PASS**	**PASS**
	DocumentProperties Test (Unicode)	**PASS**	**PASS**
	GDL Correctness Test	**PASS**	**PASS**
	Photo Print Test	**PASS**	**PASS**
	Print Driver Device Capabilities Test (PrDeviceCapabilities)	**PASS**	**PASS**
	Print Driver DevMode Corruptor Test	**PASS**	**PASS**
	Print Driver Rendering Test (PGremlin)	**PASS**	**PASS**
	Print Driver Rendering Test (PGremlin2)	**PASS**	**PASS**
	Print Driver Stress Test	**PASS**	**PASS**
	Print Processor API Test	**PASS**	**PASS**
	Printable Area Test	**PASS**	**PASS**
	Printer Port Monitor MIB Verification Test	**PASS**	**PASS**
	PrintTicket Conformance Test	**PASS**	**PASS**
	PrintTicket Test	**PASS**	**PASS**
	Validate Color Printer Profiles	**PASS**	**PASS**
	Verify that MFP devices with multiple identical ports expose the same functionality on all ports (MANUAL)	**PASS**	**PASS**
	Verify the device supports the correct connectivity types	**PASS**	**PASS**
	WCS PluginRobustness Test	**PASS**	**PASS**
	WinFX Markup Content Rendering Test	**PASS**	**PASS**
	Verify the device supports XPS (MANUAL)	**PASS**	**PASS**
	WSDMon Custom Extension XML File Verification	**PASS**	**PASS**
	WSDMon Printer Verification Test (Windows 7)	**PASS**	**PASS**
Driver Reliability	Disable Enable With IO	**PASS**	**PASS**
	Sleep Stress with IO	**PASS**	**PASS**
	Common Scenario Stress With IO	**PASS**	**PASS**

6. PC Systems/OS/Printer Compatibility Test

The PL-2305 (Chip Rev I) was also tested by both Prolific Test Lab and Allion Testing Lab for Systems/OS/Printer Compatibility:

No.	PC System Model	Item	Description
1	Intel DH57JG	Chipset:	Intel H57 Express
		USB Controller:	Intel HM55 EHCI
2	HP e-PC 42	Chipset:	Intel 845 Chipset
		USB Controller:	Intel 82801BA UHCI
3	Fujitsu Siemens Computer SCENIC P300	Chipset:	Intel 845G Chipset(ICH4)
		USB Controller:	Intel 82801DB EHCI, UHCI
4	IBM ThinkPad T60	Chipset:	Intel 945GM Express(ICH7)
		USB Controller:	Intel 82801GBM EHCI, UHCI
5	HP Compaq 6530b NB	Chipset:	Intel GE45 Express
		USB Controller:	Intel ICH9 EHCI
6	ASROCK 770 EXTRME3	Chipset:	AMD RX780(RX780, SB710)
		USB Controller:	Fresco Logic xHCI , ATI SB710
7	ASUS F8SA F84SAT7700DD	Chipset:	Intel PM965 Express(ICH8)
		USB Controller:	Intel 82801HBM EHCI, UHCI
8	Acer Aspire AS8930-6386	Chipset:	Intel PM45 Express(ICH9)
		USB Controller:	Intel 82801IBM EHCI, UHCI
9	HP EliteBook 8740w	Chipset:	Intel QM57 Express
		USB Controller:	NEC Electronics xHCI, Intel QM57
10	Toshiba QOSMIO X305-Q715	Chipset:	Intel PM45 Express(ICH9)
		USB Controller:	Intel 82801IBM EHCI, UHCI
11	SONY VAIO VPCEE26FJ/BI	Chipset:	AMD 785GX, SB750
		USB Controller:	AMD SB750 EHCI
12	HP ENVY15 NB	Chipset:	Intel PM55 Express
		USB Controller:	Intel PM55 EHCI

No.	Manufacturer	Printer Model
1	Brother	HL-5250DN Laser
2	Canon	PIXUS 560i
3	EPSON	EPL-6200L
4	HP	LaserJet 6L
5	HP	LaserJet 6P
6	Samsung	ML-2250

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No.	OS	System	Printer
1	Ubuntu 10.04 (Linux)	Intel DH57JG	Brother HL-5250DN Laser
2	Windows 98SE	HP e-PC 42	Canon Canon PIXUS 560i
3	Windows ME	Fujitsu SCENIC P300	EPSON EPL-6200L
4	Windows 2KSP4	IBM ThinkPad T60	EPSON EPL-6200L
5	Windows XP x86SP3	HP Compaq 6530b NB	HP Laser Jet 6L
6	Windows XP x64SP2	ASROCK 770 EXTREME3	Samsung ML-2250
7	Windows Vista x86 SP2 Home Premium	ASUS F8SA F84SAT7700DD	Samsung ML-2250
8	Windows Vista x64 SP2 Ultimate	Acer Aspire AS8930-6386	EPSON EPL-6200L
9	Windows 7 x86 Professional	HP EliteBook 8740w	Brother HL-5250DN Laser
10	Windows 7 x64 Ultimate	Toshiba QOSMIO X305-Q715	Brother HL-5250DN Laser
11	Windows 7 x86 Professional SP1	SONY VAIO VPCEE26FJ/BI	HP LaserJet 6P
12	Windows 7 x64 Ultimate SP1	HP ENVY15 NB	HP LaserJet 6L

NOTE: For Windows 98SE and Windows ME, need to download and install driver from Prolific website: http://www.prolific.com.tw/eng/downloads.asp?ID=36

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Test Category	Test Items
Functional and Standby Test (PC USB Root Port)	Connect the Printer to the DUT printer port
	Connect the DUT to the system USB port
	Install the Printer driver (some may need online update driver)
	Print test page (text, image, continuity 10 page)
	Hot Unplug/ Plug the same port 5 times
	Hot Unplug/ Plug the different port
	Sleep and resume
	Hibernate and resume
	Warm boot the system
	Cold boot the system
Functional and Standby Test (with USB 2.0 Hub)	Connect the system and printer via FU-233 USB 2.0 Hub
	Hot Unplug/ Plug the same port 5 times
	Hot Unplug/ Plug the different port
	Sleep and resume
	Hibernate and resume

Test Items	Test Configuration	1	2	3	4	5	6	7	8	9	10	11	12
	[Printer Under Test] + PL2305I Cable	Brother HL-5250DN Laser	Canon Canon PIXUS 560i	EPSON EPL-6200L	EPSON EPL-6200L	HP Laser Jet 6L	Samsung ML-2250	Samsung ML-2250	EPSON EPL-6200L	Brother HL-5250DN Laser	Brother HL-5250DN Laser	HP LaserJet 6P	HP LaserJet 6L
	[Testing system]	Intel DH57JG	HP e-PC 42	Fujitsu Siemens Computer SCENIC P300	IBM ThinkPad T60 (1951-I8V)	HP Compaq 6530b NB	ASROCK 770 EXTRME3	ASUS F8SA F84SAT7700DD	Acer Aspire AS8930-6386	HP EliteBook 8740w	Toshiba QOSMIO X305-Q715	SONY VAIO VPCEE26FJ	HP ENVY15 NB
	[Testing OS]	Ubuntu 10.04 (Linux)	Windows 98SE	Windows ME	Windows 2KSP4	Windows XP x86SP3	Windows XP x64SP2	Windows Vista x86 SP2 Home Premium	Windows Vista x64 SP2 Ultimate	Windows 7 x86 Professional	Windows 7 x64 Ultimate	Windows 7 x86 Professional SP1	Windows 7 x64 Ultimate SP1
Functional Test (PC Root USB Port)	Connect Printer to DUT cable, then plug to USB port. Check if PL2305 is detected.	P	P	P	P	P	P	P	P	P	P	P	P
	Install the Printer driver	P	P	P	P	P	P	P	P	P	P	P	P
	Print test page (text, image, continuity 10 page)	P	P	P	P	P	P	P	P	P	P	P	P
	Hotplug to same port 5X	P	P	P	P	P	P	P	P	P	P	P	P
	Hotplug to different port	P	P	P	P	P	P	P	P	P	P	P	P
	Sleep and resume	P	P	P	P	P	P	P	P	P	P	P	P
	Hibernate and resume	P	N/A	P	P	P	P	P	P	P	P	P	P
	Warm boot the system	P	P	P	P	P	P	P	P	P	P	P	P
	Cold boot the system	P	N/A	P	P	P	P	P	P	P	P	P	P
Functional Test (External USB Hub)	Add external Belkin FU-233 USB 2.0 Hub	P	P	P	P	P	P	P	P	P	P	P	P
	HotPlug to same port 5X	P	P	P	P	P	P	P	P	P	P	P	P
	HotPlug to different port	P	P	P	P	P	P	P	P	P	P	P	P
	Sleep and resume	P	P	P	P	P	P	P	P	P	P	P	P
	Hibernate and resume	P	N/A	P	P	P	P	P	P	P	P	P	P

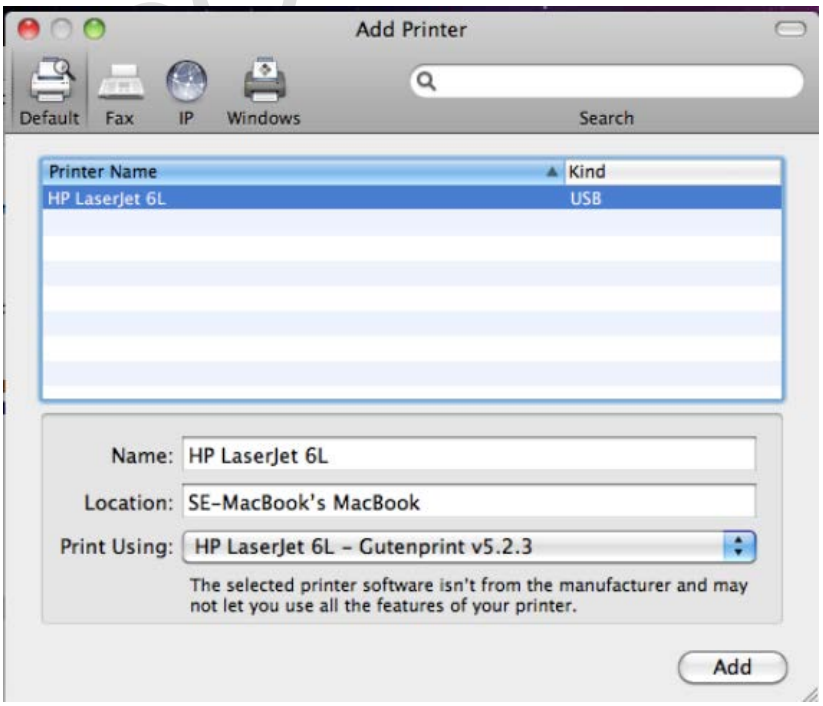
P- PASS

7. Mac Host and OS Compatibility Test

Mac OS X 10.6 Test Environment (Mac Intel)	
System / Chipset	Apple Intel MacBook
CPU / RAM	Intel Core 2 Duo 2.1GHz / 1GB DDR2 RAM
OS Version	Mac OS 10.6.4
Printer	HP LaserJet 6L

Mac OS X 10.5 Test Environment (Mac PowerPC)	
System	PowerMac G5 (USB 2.0)
CPU / RAM	PowerPC 1.6GHz CPU / 512MB
OS Version	Mac OS 10.5.8
Printer	HP LaserJet 6L

HP LaserJet 6L Printer		
Test Item	**MacBook (Intel)**	**PowerMac G5 (PowerPC)**
Device Detection	**PASS**	**PASS**
Print Test Page	**PASS**	**PASS**
Hotplug	**PASS**	**PASS**
Change Topology (Plug to other USB port)	**PASS**	**PASS**
Warm Boot	**PASS**	**PASS**
Cold Boot	**PASS**	**PASS**
Sleep	**PASS**	**PASS**



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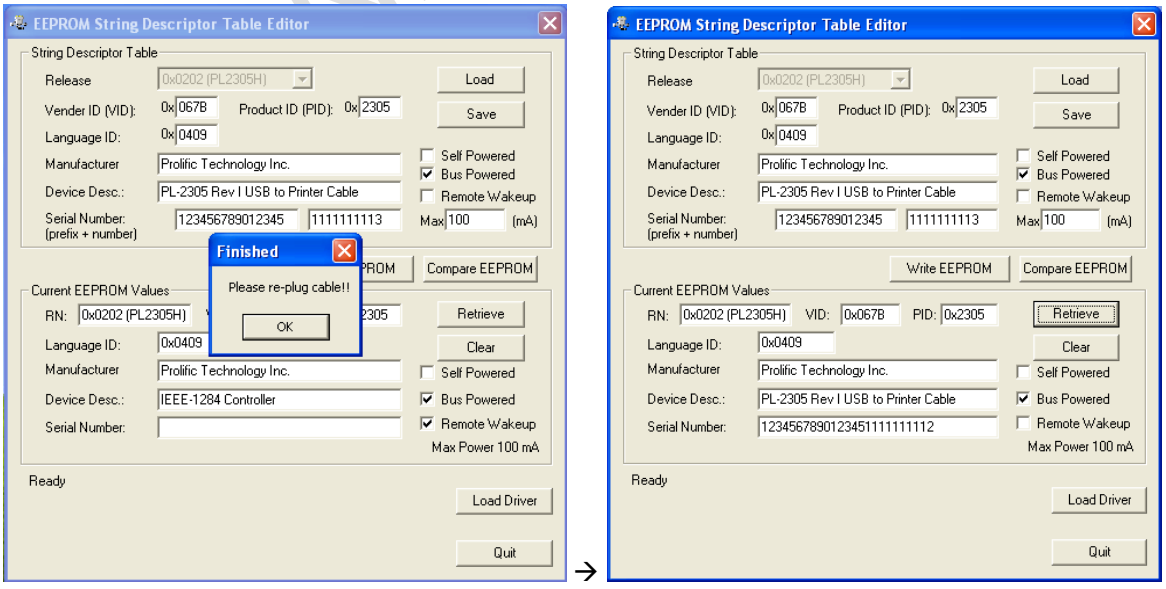
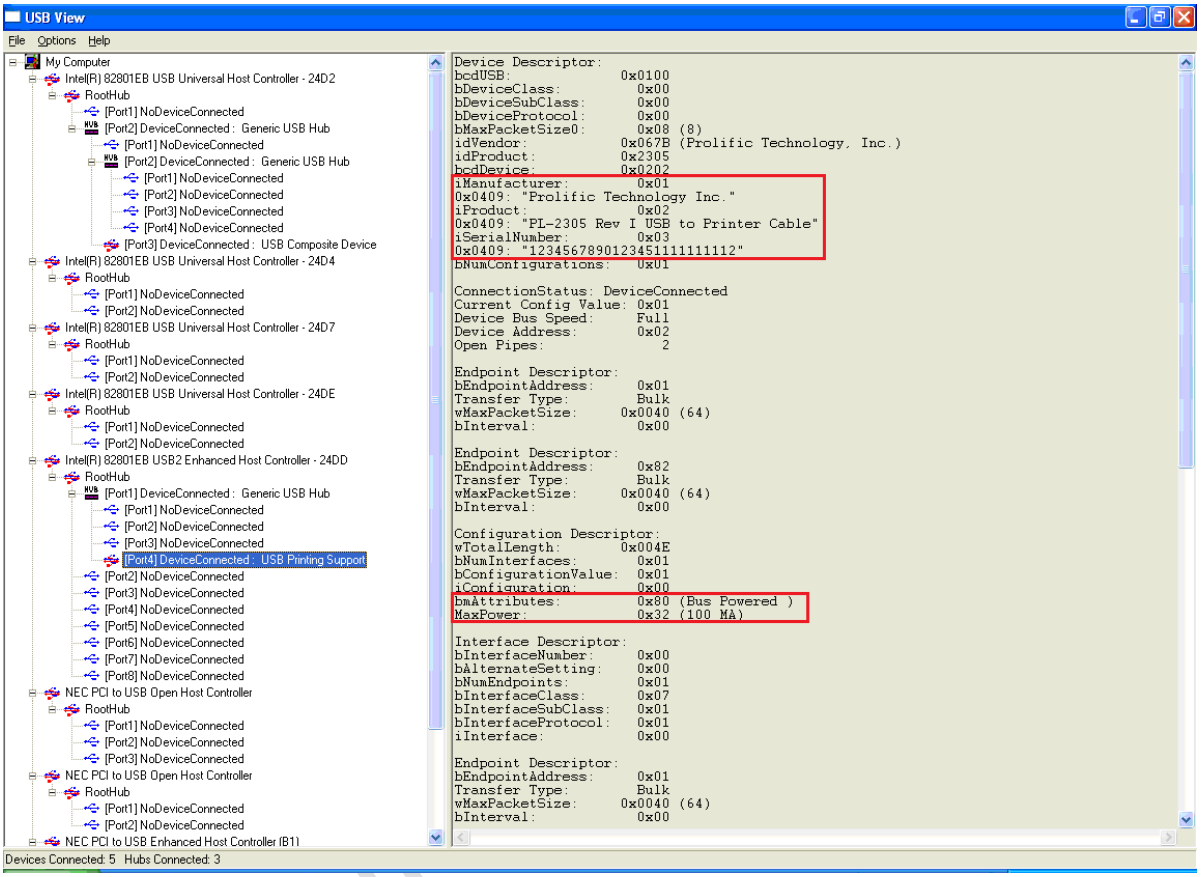
8. EEPROM Writer Program Test

Test Environment	
System	IBM ThinkCentre A50
CPU / RAM	Intel Pentium 4 2.8GHz / 1GB RAM
Chipset / USB Host	Intel 865G ICH5
Operation System	Windows XP SP3
DUT Bridge	PL-2305 (Chip Rev I) Cable + 3-meter extension cable
EEPROM Writer	V1.0.8.0 (11/17/2010)

No.	Items	Results
1	Vendor ID Descriptor	**PASS**
2	Product ID Descriptor	**PASS**
3	Language ID	**N/A**
4	Manufacturer Descriptor	**PASS**
5	Device Desc Descriptor	**PASS**
6	Serial Number (prefix + number)	**PASS**
7	Remote Wakeup Enabled/Disabled	**PASS**
8	Compare EEPROM function	**PASS**
9	Confirm Write EEPROM in USBView Program	**PASS**





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